Form Approved. OMB No. 2050-0039. Expires 9-30-91

	RM HAZARDOUS	WAD98073854	16	06	103	2 Pa of	2 is not		the shaded area by Federal law.
3. Genera	ator's Name and Mailing Ad kan Copper Works	dress				A. Sta	te Manifest D	ocument	Number
628	South Hanford, S		24			B. Sta	te Generator	s ID	
Control of the contro	ator's Phone (206) 3 porter 1 Company Name		6. US	EPA ID Nu	mher	C Sta	ite Transport	er's ID	The second secon
Nort	hwest EnviroServ			3367152		D. Tra	insporter's Pl	ione (2)	06)622-109
7. Transp	orter 2 Company Name		8. US 	EPA ID Nu	mber	ALL CHROSHINGS	te Transportensporter's Pt		election of the second of the
9. Design	nated Facility Name and Sit hwest EnviroServ	e Address	10. US	EPA ID Nu	mber:	4/45-XE915-678-3793	ite Facility's I		
	Airport Way Sou					H. Fa	cility's Phone		
Seat	tle, WA 98134		WAD058	3367152	12. Conta	10.00	6) 622-1	090	
11. US DO	OT Description (Including Pi	roper Shipping Name, Haz	ard Class and	ID Number	) No.	Type	13. Total Quantity	Unit Wt/Vol	Waste No.
x	Waste alkaline l Corrosive materi				1	DM	NO	G	P002 D002 W
b. RQ	<del>Waste hazardous</del> ORM-E, NA9188.	substance, liqui (D007 F006)	id, n.o.s	S.		<u>лм</u> —		₩ G	D007 F006 W
	Waste hazardous ORM-E, NA9188.		iđ, n.o.s	5	1	DM		18	0007 F006 1
d.				de all'illian		DM			D007 F006 I
J. Addition a) WP	ORM-E, NA9188. onal Descriptions for Materi Q 18899 - 011, ammon Q 18900 - Heavy meta	als Listed Above ium hydroxide, TCE 1, sludge, chromium	60-D , nickel	(**5 HWP-L			ndling Codes		es Listed Above
J. Addition a) WP b) WP c) WP	ORM-E, NA9188.  pnal Descriptions for Materi Q 18899 - 011, ammon	(D007 F006)  als Listed Above itum hydroxide, TCE 1, sludge, chromium 1 sludge, chromium,	60-D , nickel nickel	, <b>(</b> #s	(4)		ndling Codes		ess demands
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J. Addition a) WP b) WP C) WP	ORM-E, NA9188.  onal Descriptions for Materi 0 18899 - 011, ammon 0 18900 - Heavy meta 0 18901 - Heavy meta 0 18902 - Heavy meta	(D007 F006)  als Listed Above ium hydroxide, TCE  1, sludge, chromium,  1 sludge, chromium,  1 sludge - chromium	60-D , nickel nickel	(*5 HWP-L HWP-L	(4)		ndling Codes		essibility to the second of th
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	JNIFORM HAZARDOUS 21. Generator's US EPA ID No WASTE MANIFEST (Continuation Sheet) WAD980738546	Manifest Doci		22. Pag 2 0 f	areasi	ation in the s not requi	shaded red by Federal
23.	(Continuation Sheet) WAD980738546 Generator's Name Alaskan Copper Works	1 0070		and the second of the second of the second	Manifest Do	cument Nu	mber
	628 South Hanford, Seattle, WA 98124 (206) 382-6569			M. State	Generator's	ID	The second secon
	ransporter Company Name 25. US EPA ID Number			N. State Transporter's ID     O. Transporter's Phone     P. State Transporter's ID			
О.	Transporter Company Name 27. US EPA ID Number		oer	Q. Transporter's Phone			The second second second
	. US DOT Description (Including Proper Shipping Name, Hazard C	Class, and ID Number)	29. Conta		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
1.	RO Waste hazardous substance, solid, ORM-E, NA9188. (D007 F006)	# <del>:6-6-</del>	-1-	DM	and the second second second second		<del>0006 - 2007 - P</del>
).							
•	No. Decrease in the control of the c						
	District Control of the Control of t						
<b>.</b>	Additional Descriptions for Materials Listed Above a) WPO 18903 - Heavy metal sludge - cadmium, ch	romium, nickel HV	₩-L	T. Hand	ling Codes fo	or Wastes	Listed Above
	Jeff Hulme-628-8785	(*3	)			House Company	
32.	2. Special Handling Instructions and Additional Information						
33.	3. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name	Signature					Date fonth Day Y
34.	1. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	<u>*</u>				Date Month Day Y
	5. Discrepancy Indication Space						

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FIRST-THIRD SCHEDULED WASTES FOR WHICH TREATMENT STANDARDS HAVE BEEN SET ("HARD-HAMMER" WASTES RESTRICTED AS OF AUGUST 8, 1988)

Generator Name: HUAG		WORKS	
Manifest Number:	06103		
This form is submitted with 40 CFR Part 268, that hazardous wastes.	to Northwest	Enviro Service, I the land dis	$\mathcal{L}$ in accordance posal of certain
I am the initial generative treatment standards for cyanide (30 mg/kg) with available as requested constituents I make the	or both total hout further t I by the rec	. (590 mg/kg) reatment. Sup eiving facilit	and amendable porting data is
I certify under penalty am familiar with the waknowledge of the waste complies with the treat Subpart D and all appreciate or RCRA Section submitted is true, according to the possibility including the possibility.	aste through are to support this ment standards olicable prohibes 3004 (d). I had been and compies for submi	nalysis and tents certification specified in bitions set for the set of the s	sting or through n that the waste 40 CFR Part 268 orth in 40 CFR he information I aware that there
Restrict	ed Wastes Requ	ires Treatment	**************************************
<u>F(</u>	006 Treatment S	tandards	
Cadmium	0.066 mg/L		
Chromium (Total)	5.2 mg/L		
Lead	0.51 mg/L		
Nickel	0.32 mg/L		
Silver	0.072 mg/L		
I hereby certify that a complete and accurate to			
Printed/Typed Name	Signat	ure	
Date			

Alaskan Copper Works

## HORTHWEST ENVIROSERVICE LAND DISPOSAL RESTRICTION NOTIFICATION

## Instructions:

1. Fill in applicable manifest number.

2. Fill in applicable EPA Hazardous Waste Number.

- 3. Highlight applicable treatment standard from table below or restricted California list item.
- 4. Attach supportive waste analysis data if available.

5. Sign and date form.

6. Retain a completed copy to file with manifest.

Manifest Number 06/03

## Restricted Waste Notification

This notification is provided in accordance with 40 CFR 268.7(a) (1). The above numbered manifest includes the following restricted waste (codes): FOOZ

The applicable treatment standards for these restricted wastes are highlighted below:

Effective - Nov 8, 1986

Solvent Treatment Standards Constituents of F001-F005	Extraction Conce (mg/1)	ntrations
Spent Solvent Wastes	Wastewater	other
	e ha day yay	
Λcetone	0.05	0.59
Benzene	No Standard	
n-Butyl Alcohol	5.00	5.00
Carbon disulfide	1.05	4.81
Carbon Tetrachloride	0.05	0.96
Chlorobenzene	0.15	0.05
Cresols (cresylic acid)	2.82	0.75
Cyclohexanone	0.125	0.75
1,2-Dichlorobenzene	0.65	0.125
2-Ethoxyethanol	No Standard	
Ethyl Acetate	0.05	0.75
Ethylbenzene	0.05	. 0.053
Ethyl ether	0.05	0.75
Isobutanol	5.00	5.00
Methanol	0.25	0.75
Methylene chloride	0.20	0.96
Methyl ethyl ketone	0.05	0.75
Methyl Isobutyl ketone	0.05	0.33
Nitrobenzene	0.66	0.125
2-Nitropropane	No Standard	7,175
Pyridine	1.12	0.33
Tetrachloroethylene	0.079	0.05
Toluene	1.12	0.33
1,1,1-Trichloroethane	1.05	0.41
1,1,2-Trichloro-1,2,2-Trifluoro-		V
enthane	1.05	0.96
Trichloroethylene	0.062	0.90
Trichlorofluoromethane	0.062	0.091
	0.05	0.15
-Xylene		0.13

- please mark applicable numbers:
1) Liquid Hazardous Waste having a pH less than or equal to 2.
2) Liquid Hazardous Waste containing PCB at or greater than 50 ppm.
3) Liquid Hazardous Waste that are primarily water and contains halogenated organic compounds [HOC] in total concentration greater than or equal to 1,000 ppm and less than 10,000 ppm.
4) Liquid Hazardous Waste, including free liquids associated with any solid or sludge containing metals that are greater than or equal to those specified below. All represented in ppm.
Arsenic 500Cadmium 100
Chromium 500 Lead 500
Mercury 20Nickel 134
Selenium 100Thallium 130
Free Cyanide 1,000
A. I certify all information submitted is complete and accurate to the best of my knowledge.
Printed/Typed Name Signature Date
B. If you have treated the waste in compliance with the applicable standards specified in 40 CFR 268 Subpart D sign the following certification statement.
I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004 (d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
Printed/Typed Name Signature Date
C. Restricted waste subject to variance. List the specific variance:
I certify all information submitted is complete and accurate to the best of my knowledge.
Drived/Pured Name Cignature Date